

Notice of Allowability

Application No.

09/239,194

Examiner

Kenneth Tang

Applicant(s)

YATES ET AL.

Art Unit

2195

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communication to applicant on 11/7/06.
2. ☒ The allowed claim(s) is/are 1-83.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 11/7/06
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
CENTRAL OFFICE CENTER 2100

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. David Boundy on 11/7/2006.

In the Claims:

56. A method, comprising:

without modifying a pre-existing operating system of the computer, establishing an entry handler whose execution is to be triggered on at attempt to invoke [for execution at] a specified entry point of the operating system or on a specified entry condition to the operating system, the entry handler programmed to save a context of a [n interrupted] thread and modify the thread context before delivering the modified thread context to the operating system;

without modifying the operating system, establishing an exit handler for execution on resumption from the operating system following an entry through the entry handler, the exit handler programmed to restore the context saved by a corresponding execution of the entry handler.

Claim 79, line 3, change "service," to – service routine, --.

The following is an examiner's statement of reasons for allowance:

Burger et al, US Patent no. 5,097,533, teaches the usage of a generic API to save the context of the calling thread, modifying the context, calling the original API, restoring the saved context, and returning to the calling thread. Burger et al do not teach the dynamically invoking the generic API during the run time when the original API was called. It appears that application program is knowingly calling the generic API, which in turn to call the original API.

As to claim 33, Burger et al or the prior art of record do not teach or suggest individually or in combination "establishing an entry exception to be raised on each entry to a computer operating system at a specified entry point or on a specified condition" nor "raising and servicing the entry exception, and then entering the operating system to perform a service associated with the original operating system entry".

As to claim 56, Burger et al or the prior art of record do not teach or suggest individually or in combination "establishing an entry handler whose execution is to be triggered on at attempt to invoke a specified entry_point of the operating system or on a specified entry condition to the operating system".

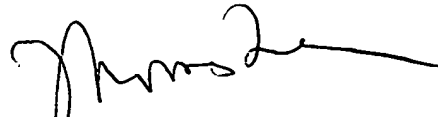
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas Lee whose telephone number is (571)272-

3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thomas Lee

A handwritten signature in black ink, appearing to read 'Thomas Lee', with a long horizontal flourish extending to the right.

Primary examiner